

Message Text

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PAGE 01 STATE 005091
ORIGIN PM-04

INFO OCT-01 ARA-06 ISO-00 /011 R

DRAFTED BY PM/ISO:RWMASSEN:ML:OASD/ISA:LCDR LANDEN
APPROVED BY PM/ISO: GTCHURCHILL
ARA/RPP - LTC QUIGG

-----102332Z 128728 /66

R 102202Z JAN 77

FM SECSTATE WASHDC

TO AMEMBASSY LIMA

INFO OASD WASHDC/ISA/FMRA

HQ USAF WASHDC/XOXXI/RDES

AFSC ANDREWS AFB MD/FA

AFGL HANSCOM AFB MA/PHD/SUO

C O N F I D E N T I A L STATE 005091

E.O. 11652: DECLASSIFY UPON COMPLETION OF NEGOTIATIONS

TAGS: MARR, PE

SUBJECT: REQUEST FOR OPERATING RIGHTS IN SUPPORT OF
PROJECT 7663

REFS: A. STATE MSG DTG 062344Z JAN 76

B. USDAO LIMA PERU MSG 181905Z AUG 76

1. THE AIR FORCE GEOPHYSICS LABORATORY (AFGL) DESIRES TO
CONDUCT FOLLOW-ON AIRBORNE IONOSPHERIC MEASUREMENTS OF
RADIO PROPAGATION IN THE EQUATORIAL SCINTILLATION REGION
IN THE VICINITY OF PERU. 1976 FLIGHTS UNDER THIS PROJECT,
AS REQUESTED BY REF A AND APPROVED BY REF B, WERE OPERATED
BETWEEN 14 OCT AND 4 NOV 76. THE PROPOSED SPRING 1977
CAMPAIGN WILL PROVIDE DATA DURING A DIFFERENT SEASON AND
OTHER GEOPHYSICAL CONDITIONS. IN ADDITION, RECEPTION OF
UHF TRANSMISSIONS FROM TWO WIDELY SPACED SATELLITES (LES 8
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& 9) RATHER THAN ONE WILL BE POSSIBLE.

2. THE FLIGHTS WILL CONTINUE MAPPING OF THE EXTENT AND
BOUNDARY OF EQUATORIAL SCINTILLATION REGIONS AND DETERMINA-
TION OF THE AFFECT OF GENERAL SCINTILLATION MECHANISMS ON
EQUATORIAL COMMUNICATIONS SATELLITES. FLIGHTS FROM PERU,
IN MARCH, WILL PROVIDE COVERAGE OF AN AREA AND TIME OF

MAXIMUM SCINTILLATION. GROUND BASED SCINTILLATION MEASUREMENTS HAVE BEEN MADE IN PERU FOR THE PAST SIX YEARS BY SCIENTISTS OF THE INSTITUTE OF GEOPHYSICS OF PERU AS PART OF THIS COOPERATIVE PROJECT.

3. NKC-135 NO. 53131, CARRYING SIX DOD CIVILIANS, TWO USAF OFFICERS, TWO NCO'S AND ONE NOAA SCIENTIST (ALL US CITIZENS), WILL BE INSTRUMENTED WITH GRANGER AND DIGITAL IONOSPHERIC SOUNDERS, PHOTOMETERS, UHF AND VHF RECEIVERS, ALL-SKY CAMERAS AND SPECTROMETER WHILE FLYING APPROXIMATELY FIVE ROUND ROBIN FLIGHTS FROM JORGE CHAVEZ INTERNATIONAL, LIMA, PERU. IT IS PLANNED TO DEPLOY THE AIRCRAFT FROM FLORIDA TO LIMA ON 11 MARCH 77 AND REDEPLOY ON 26 MARCH 77. LOCAL FLIGHTS OF EIGHT HOURS DURATION ARE PLANNED FOR 13-15 AND 17-23 MARCH. THE DECISION TO OPERATE THE FLIGHTS WILL DEPEND ON SURFACE OBSERVATION FROM ANCON AND/OR HUANCAYO. THE FLIGHT PATHS WILL CONSIST OF A LINEAR PATTERN OVER WATER OR PATTERNS OVER THE PERUVIAN LANDMASS BOTH OF WHICH WERE FLOWN DURING THE FALL 76 MISSIONS. RADIO FREQUENCY CLEARANCES WILL BE OBTAINED IN ACCORDANCE WITH AFM 100-31.

4. AS WITH THE PREVIOUS FLIGHTS, INTERESTED PERUVIAN SCIENTISTS OR DIGNITARIES MAY VISIT THE AIRCRAFT BETWEEN FLIGHTS IF THERE IS NO INTERFERENCE WITH SCHEDULED OPERATIONS. THE PROJECT IS UNCLASSIFIED AND ALL DATA OBTAINED ARE AVAILABLE ON REQUEST BY THE HOST NATION. THE DATA OBTAINED FROM THESE FLIGHTS SHOULD BE USEFUL TO THE PERUVIAN

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SCIENTISTS PREVIOUSLY INVOLVED IN THE PROJECT. THE OPERATING AGENCY WILL PROVIDE SPECIFIC INFORMATION CONCERNING THE FLIGHT OPERATIONS IN ACCORDANCE WITH THE USAF FOREIGN CLEARANCE GUIDE.

5. REQUEST EMBASSY SEEK APPROVAL OF THE GOP FOR THE ABOVE PROPOSED FLIGHT OPERATIONS. THIS IS A CONTINUING COOPERATIVE PROJECT BETWEEN AFGL AND THE INSTITUTE OF GEOPHYSICS OF PERU WHICH IS ADMINISTERED BY THE AIR FORCE OFFICE OF SCIENTIFIC RESEARCH AS A CONTRACT/GRANT IN ACCORDANCE WITH P.L. 85-934 AND DEPARTMENT OF STATE AIRGRAM CA-9481, 16 JULY 1968.

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: RESEARCH, FLIGHT CLEARANCES, RADIO FREQUENCIES
Control Number: n/a
Copy: SINGLE
Sent Date: 10-Jan-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 22 May 2009
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977STATE005091
Document Source: CORE
Document Unique ID: 00
Drafter: RWMASSON:ML:OASD/ISA:LCDR LANDEN
Enclosure: PER EGGLIN/CHICHESTER TELCON
Executive Order: AS UPON COMPLETION OF NEGOTIATIONS
Errors: N/A
Expiration:
Film Number: D770009-0681
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770165/aaaacfic.tel
Line Count: 110
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 95eab6db-c288-dd11-92da-001cc4696bcc
Office: ORIGIN PM
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 77 STATE 62344
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 01-Sep-2004 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3630866
Secure: OPEN
Status: NATIVE
Subject: REQUEST FOR OPERATING RIGHTS IN SUPPORT OF PROJECT 7663
TAGS: MARR, PE
To: LIMA
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/95eab6db-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009